INDEX.

ACACIAS, Australian, in India, 372
Accumulator, Novel, 53
Acids, Detection of, by Dr. J. W. James, 422
Africa, West, Buchholz's Travels in, 169
Agnostic, Modern, Creed of a, by Dr. R. Bethell, 610
Ammonia in Snow-water, 116
Animal Enemies and Allies, our, 652
— Remains, Recent, rare in Arctic Regions, 306
Animals, Criminality in, 53
— of Silurian Epoch, organised for Defence, 308
— Speech in, 1, 177
— Will of, 302
Anthropological Forecasts, 13
Anti-Vaccinationism, 247
Anti-Vivisection Act, Influence of, 312
— Society in New York, 372
Arms, Human, Swinging of, 372
Association, French, Prosperity of, 630
Atlantis again, 319, 495
Audibility, Limits of, 438
Aurora Borealis, 55
Australia, Tertiary Flora of, 375

BACTERIA in Blood of Rabid Horse, 183
— in Water of Spongy Iron Filters, 305
— not acted on by Sun's Rays, 372
Beard, Dr. G. M., Death of, 306
Bees, Cells of, their Origin, 502
Beetles, Apterous, Rudimentary Wings in, 630
Benjamin Franklin and Lightning-Rods, by Col. A. Parnell, R.E., 527
Bestiarianism, 181, 184, 246, 305, 309, 310, 372, 435, 436, 437, 440, 500, 503, 696, 732, 757, 759
Billing, S., Reply to "Lucretian," 241
Biology in German Universities, 626
Bird, laterally Hermaphrodite, 372
Birds, Intelligence of, 691
— Nicety of, 111, 497
Birth of Solar System, 62, 145, 195
Bolivia, Heath's Explorations in, 447, 536
Botanic Stand, 749
Botanique, Traité de, par E. Lambert, 618
Brain-theory of Mind and Matter, 121, 301, 432
Brain-work and hand-work, 152
Bristol Naturalists' Society, 491
British Mania, by J. W. Slater, 605
Brutes, Education of, 248
Buchholz, Travels of in West Africa, 169
Burning Mountains, New Theory of, by A. H. Swinton, 327

CARBONIC Acid, Antiseptic, 56, 629
Carey, Brain of, 691
Carlyle and the Darwins, 180
Cat, Domestic, Anatomy of the, 41
Cavendish, H., Electrical Researches of, 234
Chemismus, im Lichte polydimensionaler Raum-anschauung, 103
Cheiroptera, Development of Uterus in, 371
Chlorophyll, Characteristic Band of, 307
Colin Clout's Calendar, by Grant Allen, 98
Colour, Distribution of in Reptiles, Birds, and Mammals, 633
Colour-blindness in India, 247
Colours attractive to Insects, 435
Coming Shadows, by E. S., 138
Competition in Education injurious, 116
Compound Organisms and their Lessons, 18
Cremation, Recognition of, 628
Crows carry Prey in their Claws, 631
Cruelty, Physiological, by Philanthropos, 350, 411

DARKER Shadows, 266
Darwin and Modern Evolutionism, 294
— Causes of his Success, 609
— his Biographers and his Traducer, 203
— Monument to, 120
Darwinism, Refutation of, 54
Darwinismus und seine Consequenzen, by Dr. E. Dreher, 226
Deceased Wife's Sister's Question, 580
Drosera rotundifolia, Importance of Capture of Insects for, 719
Dust, Cosmic, by O. de Crespigny, 433

EARTHQUAKES and Electricity, by Col. A. Parnell, R.E., 697
Earthworms, Fresh News on, 86
Edward Davy and the Electric Telegraph, by J. J. Fahie, 620
Education, Technical, by R. Galloway, M.R.I.A., 25, 92, 192, 283, 403, 541, 593
Electricity and its Uses, by J. Munro, C.E., 615
— Recent Progress in, 459
Entomology, Department of, at Cornell University, 558
Epping Forest, 223
Evolution, Flank Attacks on, 249
Examiners and their Shortcomings, 48
Existence, Struggle for, 689

FANCIES, by D. Y. C., 430
Feathers, Colours of, 304
Field-Naturalist, the, 46
Fires, Household, Economy of Coal in, 557, 639
Flood and Storm, Memoranda of, by A. H. Swinton, 581
Florida, by Dr. W. D. Gunning, 723
Flowers, Action of Poisons on Petals of, by A. Anthony Nesbit, F.C.S., 331
— and Insects, by J. W. Slater, 217
— and their Pedigree, by G. Allen, 742
Fog-question, 49
Frog, Bird-catching, 370

GALWAY, Palæozoic Rock of, by G. H. Kinahan, M.R.I.A., 174
Gardens of the Sun, by F. W. Burbidge, 230
Genesis, Natural, by G. Massey, 414, 681
Geological Survey of India, 559
German Conversation-Grammar, 616
Glacial Epoch, by D. Y. Cliff, 280

HARMONIES of Tones and Colours, by F. J. Hughes, 679
Heath's Bolivian Explorations, 447, 536
Hive-Bee, Origin of Cells of, 643
Horses Breeding for Use, 560
Household Chemistry for the Non-Chemical, by A. J. Shilton, 556
Hydrostatics, or Practical Mechanics, 45
Hylo-Idealism, the Egoistic Theory of Mind and Matter, by R. Lewins, M.D., 45

IMITATION, Natural (Mimetism), by S. Billing, 496
Insects, Report on for 1881, 424
Intelligence, Canine, by C. Lloyd Morgan, 732

LIGHT, Artificial, 71
— and Colour, Sensibility to in Eyeless and Blind Animals, 727
— Velocity of, by Count O. Reichenbach, 505, 569
Light Science for Leisure Hours, by R. A. Proctor, 355
Literature, Modern, Science and Savants in, 488
Logan, Sir W. E., Life of, by Dr. B. J. Harrington, 488
Logarithms, Accented 5-figure, by L. d'A. Jackson, 683
Longman's Magazine, 48, 110, 174, 238

MAN, Antiquity of not proven, 167
— Science of, 483
Mania, British, by J. W. Slater, 605
Manual of Photographic Chemistry, by Rev. T. F. Hardwick, 418
Medicine, Advancement of by Research, 112
Memoiren eines Thier-bändiger's, 165
Meteorology of Shakspere, 29

Mias, Notes on, by O. de Crespigny, 347
Micrographic Dictionary, 292
Micro-photography, by A. Cowley Malley, M.B., 554
Microscopic Society, Royal, Journal of, 108
Mind and Matter, Brain-theory of, by C. Arden, 121, 301, 432
Mines, School of, Ballaarat, 617
"Missing Link," 112
Modern Inventions anticipated, 623
Molecular World, the, by Prof. H. Kolbe, 428
Moon and Earth, an incompletely understood Relation between, by Count Oscar Reichenbach, 452
Mortality after Amputations, 102
Museum, British, Crisis at, 718

NATURAL History, Appendix to Contributions to, by James Simson, 493
— Law in the Spirit-World, 562
Notes, 51, 115, 181, 245, 304, 370, 434, 499, 564, 626, 691, 757

OBJECTS, White, Influence of on Animals, 244
Observations, Ethnological, by O. de Crespigny, 384
Optics, Physical, by R. T. Glazebrook, F.R.S., 101
Organisms, Compound, and their Lessons, 18

PALÆOZOIC Rocks in America, by A. R. Selwyn, 367
Paracelsus, by Miss C. W. Arden, 185
Patent-Law Amendment, 7
Patent-Right and Patent-Law, 257
Phosphorescence, Theory of, 706
Physics, Elementary, Text-book of, by J. D. Everett, 555
Pigments, Artists' Table of, by H. C. Standage, 746
Poisons, Action of on Petals of Flowers, by A. Anthony Nesbit, F.C.S., 334
Poisoning Cases of last Half-century, 519
Polydermus complanatus, by A. H. Swinton, 391
Popular Instruction, 114
Progress from an Evolutionist Point of View, 647
Public Ignorance and Quack Ingenuity, 50

REDUCTIO ad Absurdum, by S. Billing, 241
Reforms, Dietetic, 710
— Sanitary, by Rev. S. Barber, 471, 586
— — Cost of, 243
Reichenbach and the Psychical Research Society, 313
Research, Advancement of Medicine by, 112
— Endowment of, 755
Results, Payment by, 690

SAURIAN, Bolivian, 368
Science, Pure, Plea for, 658
Serpent-Life, Curiosities and Wonders of, by Miss C. Hopley, 289
Siberia in Asia, by H. Seebohm, 36
Smithsonian Institution, Annual Report, 745
Snakes, do they Shelter their Young? by James Simson, 299, 473
— Sheltering their Young in their Throats, by Miss C. Hopley, 365
Space, *n*-dimensional, 179
Species, Development of, Influence of on Sex, 623
Speech in Animals, by W. Mattieu Williams, 176
Sun, Constitution of, by R. Lamont, 129
Sunspottery, by A. H. Swinton, 77

TECHNOLOGY, Anatomical, of Cat, by Drs. Wilder and Gage, 41
Thought Reading, by Rev. H. H. Higgins, 396
Transit-Tables for 1883, 419
Trinidad, Scientific Association of, 296
Truth, Unwelcome, 211

UNIVERSE, Electro-magnetic Theory of, 113
Upilio Faimali, Memoirs of, 165

VACCINATION for Cattle-plague, 561

Vice as an Eliminative Agent, 273
Victorian Year-Book for 1881-2, 298
Vivisection Question, American View of, 739
Vivisectors, Rechtfertigung eines, by Prof. Goltz, 552

WALKS in Regions of Science and Faith, 449
Waste, 377, 441
Waters, Polluted, by J. W. Slater, 386
We are! by D. Y. Cliff, 754
Wealth as an Eliminative Agent, by W. Mattieu Williams, 332
Weather of 1882, by E. Marley, F.M.S., 236
Wieder die Humanaster, by Prof. Goltz, 552

ZOOLOGY, Scope of, Huxley, Haeckel, and Mivart on, by Oswald Dawson, 336
Zoophilism extraordinary, 179

London: Printed by E. J. Davey, Boy Court, Ludgate Hill, E.C.